

23/07/2007,10565789a.trn

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTASXY1626

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
SESSION RESUMED IN FILE 'HCAPLUS' AT 12:49:16 ON 23 JUL 2007  
FILE 'HCAPLUS' ENTERED AT 12:49:16 ON 23 JUL 2007  
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|  |            |         |
|--|------------|---------|
| COST IN U.S. DOLLARS                       | SINCE FILE | TOTAL   |
|  | ENTRY      | SESSION |
| FULL ESTIMATED COST                        | 97.46      | 269.77  |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL   |
|  | ENTRY      | SESSION |
| CA SUBSCRIBER PRICE                        | -14.04     | -14.04  |

=> file reg

|  |            |         |
|--|------------|---------|
| COST IN U.S. DOLLARS                       | SINCE FILE | TOTAL   |
|  | ENTRY      | SESSION |
| FULL ESTIMATED COST                        | 97.46      | 269.77  |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL   |
|  | ENTRY      | SESSION |
| CA SUBSCRIBER PRICE                        | -14.04     | -14.04  |

FILE 'REGISTRY' ENTERED AT 12:49:26 ON 23 JUL 2007  
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STRUCTURE FILE UPDATES: 22 JUL 2007 HIGHEST RN 943125-41-5  
DICTIONARY FILE UPDATES: 22 JUL 2007 HIGHEST RN 943125-41-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

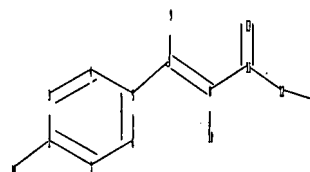
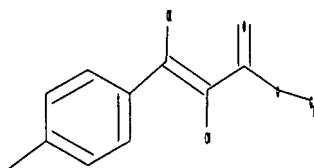
Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10565789a.str



chain nodes :  
7 8 9 10 11 12 13 16 18  
ring nodes :  
1 2 3 4 5 6  
chain bonds :  
2-18 5-7 7-8 7-9 8-10 8-11 11-12 11-13 12-16  
ring bonds :  
1-2 1-6 2-3 3-4 4-5 5-6  
exact/norm bonds :  
7-9 11-12 11-13 12-16  
exact bonds :  
2-18 5-7 7-8 8-10 8-11  
normalized bonds :  
1-2 1-6 2-3 3-4 4-5 5-6  
isolated ring systems :  
containing 1 :

G1:H,CH3,CH2,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu

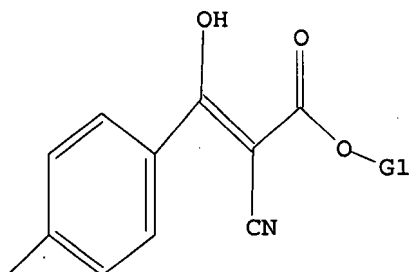
Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS  
11:CLASS 12:CLASS 13:CLASS 16:CLASS 18:CLASS

L5 STRUCTURE UPLOADED

23/07/2007,10565789a.trn

=> d 15  
L5 HAS NO ANSWERS  
L5 STR



G1 H, Me, CH2, Et, n-Pr, i-Pr, n-Bu, i-Bu, s-Bu, t-Bu

Structure attributes must be viewed using STN Express query preparation.

=> s 15  
SAMPLE SEARCH INITIATED 12:49:48 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 8 TO ITERATE

100.0% PROCESSED 8 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 8 TO 329  
PROJECTED ANSWERS: 0 TO 0

L6 0 SEA SSS SAM L5

=> s 15 full  
FULL SEARCH INITIATED 12:49:51 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 169 TO ITERATE

100.0% PROCESSED 169 ITERATIONS 7 ANSWERS  
SEARCH TIME: 00.00.01

L7 7 SEA SSS FUL L5

|  |            |         |
|--|------------|---------|
| => file hcaplus                            |            |         |
| COST IN U.S. DOLLARS                       | SINCE FILE | TOTAL   |
|  | ENTRY      | SESSION |
| FULL ESTIMATED COST                        | 172.10     | 441.87  |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL   |
|  | ENTRY      | SESSION |
| CA SUBSCRIBER PRICE                        | 0.00       | -14.04  |

FILE 'HCAPLUS' ENTERED AT 12:49:57 ON 23 JUL 2007  
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23/07/2007,10565789a.trn

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FILE COVERS 1907 - 23 Jul 2007 VOL 147 ISS 5  
FILE LAST UPDATED: 22 Jul 2007 (20070722/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

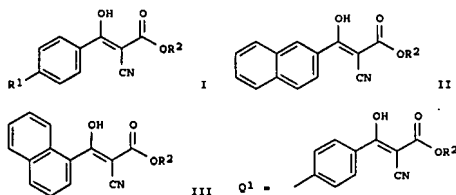
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l7

L8                    3 L7

=> d ed abs ibib hitstr tot

L8 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN  
 ED Entered STN: 11 Feb 2005  
 Q1



AB Title compds. (I, II, III; R1 = H, C1-C20 alkyl, C1-C20 alkoxy, CF3, C6-C10 aryl, Q1; R2 = H, C1-C20 alkyl), were prepared. Thus, n-octyl cyanoacetate was stirred with LDA in THF for 15 min. at -78° followed by addition of biphenyl-4-carbonyl chloride in THF followed by stirring for 45 min. to give 23% 3-(biphen-4-yl)-2-cyano-3-hydroxyacrylic acid n-octyl ester. The latter inhibited *S. aureus* with a min. inhibitory concentration of <3.75 µM.

ACCESSION NUMBER: 2005.120875 HCAPLUS

DOCUMENT NUMBER: 142.197692

TITLE: Preparation of 3-aryl-2-cyano-3-hydroxy-acrylic acid derivatives as antimicrobials which prevent bacterial adhesion to surfaces

INVENTOR(S): Rele, Dinesh Narendra; Bhatti, Harjinder Singh; Hoelzl, Werner; Marquis-Bienewald, Sophie; Mathias, Errol Vincent; Preuss, Andrea; Wagner, Barbara  
 Ciba Specialty Chemicals Holding Inc., Switz.

PATENT ASSIGNEE(S): SOURCE:

PCT Int. Appl., 28 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

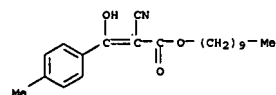
| PATENT NO.   | KIND | DATE     | APPLICATION NO. | DATE     |
|--|------|----------|-----------------|----------|
| WO 2005012235  | A1   | 20050210 | WO 2004-EP51533 | 20040719 |
| W: AB, AQ, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, ME, MK, MN, MW, MX, NA, NI, NO, NZ, OW, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, |      |          |                 |          |

L8 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 838837-33-5 HCAPLUS

CN 2-Propenoic acid, 2-cyano-3-hydroxy-3-(4-methylphenyl)-, decyl ester (9CI)

(CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RS

FORMAT

L8 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)

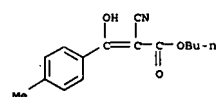
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
 RN: BW, GH, GM, KE, LS, MN, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1651177 A1 20060503 EP 2004-742002 20040719  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, ES, HU, PL, SK  
 CN 1829684 A 20060906 CN 2004-80022080 20040719  
 JP 2007500170 T 20070111 JP 2006-521570 20040719  
 US 2006228965 A1 20061012 US 2006-565789 20060125  
 MX 2006PA01069 A 20060731 MX 2006-PA1069 20060127  
 IN 2006CN00352 A 20070706 IN 2006-CN352 20060127  
 PRIORITY APPL. INFO.: EP 2003-102324 A 20030729  
 WO 2004-EP51533 W 20040719

OTHER SOURCE(S): CASREACT 142:197692; MARPAT 142:197692  
 IT 838837-31-3P 838837-32-4P 838837-33-5P  
 RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of arylcyanoacrylates as antimicrobials which prevent bacterial adhesion to surfaces)

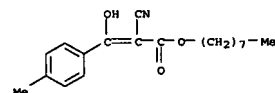
RN 838837-31-3 HCAPLUS  
 CN 2-Propenoic acid, 2-cyano-3-hydroxy-3-(4-methylphenyl)-, butyl ester (9CI)

(CA INDEX NAME)



RN 838837-32-4 HCAPLUS  
 CN 2-Propenoic acid, 2-cyano-3-hydroxy-3-(4-methylphenyl)-, octyl ester (9CI)

(CA INDEX NAME)



L8 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN

ED Entered STN: 12 Jul 1991

AB A series of low mol. weight tyrosine kinase inhibitors (i.e. tyrphostins) RCH<sub>2</sub>C(CN)2 (R = 3-pyridyl, 1H-imidazol-2-yl, 4-MeSC6H4, 2-furyl, etc.)

or

(dicyanomethylidene)dihydroindanes, (dicyanomethylidene)dihydroindoles, (dicyanomethylidene)tetrahydronaphthalene, or 3,4-(HO)2C6H3CH<sub>2</sub>C(CN)COR (R = 3,4-(HO)2C6H3, Ph, 4-O2NC6H5, 2-thienyl, alkylamino, phenylamino, etc.) were prepared. The characteristic pharmacophore of such compds. is the hydroxy-cis-benzylidenemalononitrile group. Among these tyrphostins

were inhibitors which discriminate between the homologous EGF receptor kinase and ErbB2/neu kinase; the phosphorylation of polyGAT was studied as test system. These tyrphostins are potential antiproliferative agents.

ACCESSION NUMBER: 1991.408663 HCAPLUS

DOCUMENT NUMBER: 115.8663

TITLE: Tyrphostins. II. Heterocyclic and α-substituted benzylidenemalononitrile tyrphostins as potent inhibitors of EGF receptor and ErbB2/neu tyrosine kinases  
 AUTHOR(S): Gazit, Aviv; Osherov, Nir; Posner, Israel; Yaish, Pinna; Poradosu, Enrique; Gilon, Chaim; Levitzki, Alexander

CORPORATE SOURCE: Inst. Life Sci., Hebrew Univ., Jerusalem, 91904, Israel  
 SOURCE: Journal of Medicinal Chemistry (1991), 34(6), 1896-907

CODEN: JMCMAR; ISSN: 0022-2623

DOCUMENT TYPE: Journal

LANGUAGE: English

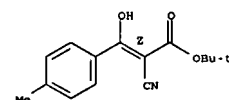
OTHER SOURCE(S): CASREACT 115:8663

IT 133550-20-6P 133550-28-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and deprotection of)

RN 133550-20-6 HCAPLUS  
 CN 2-Propenoic acid, 2-cyano-3-hydroxy-3-(4-methylphenyl)-, 1,1-dimethylethyl ester, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



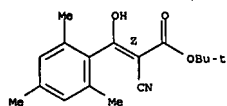
RN 133550-28-4 HCAPLUS

CN 2-Propenoic acid, 2-cyano-3-hydroxy-3-(2,4,6-trimethylphenyl)-, 1,1-dimethylethyl ester, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

23/07/2007,10565789a.trn

L8 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)



L8 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN

ED Entered STN: 18 Aug 1984

AB The IR, <sup>1</sup>H NMR, and UV of p-RC<sub>6</sub>H<sub>4</sub>COCH(CN)CO<sub>2</sub>Et (I; R = H, MeO, Me, Cl, -CN, NO<sub>2</sub>) were observed. The acidity const. of I, determined in 75 vol% EtOH-H<sub>2</sub>O,

had an LFER with σ<sub>+</sub>.

ACCESSION NUMBER: 1984:45435 HCAPLUS

DOCUMENT NUMBER: 101:54435

TITLE: Transmission of the effect of substituents in para-substituted ethyl α-cyanobenzoylacetate derivatives

AUTHOR(S): Bankowska, Zofia; Zadrozna, Irmina; Banachowicz, Hanna

CORPORATE SOURCE: Inst. Org. Chem. Technol., Polytech. Univ., Warsaw, 00662, Pol.

SOURCE: Polish Journal of Chemistry (1982), 56(10-12), 1325-31

CODEN: PJCHDQ; ISSN: 0137-5083

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 91024-54-3 91024-57-6

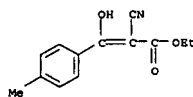
RL: PRP (Properties)

(spectra and acidity of, LFER and transmission of substituent effects in relation to)

RN 91024-54-3 HCAPLUS

CN 2-Propenoic acid, 2-cyano-3-hydroxy-3-(4-methylphenyl)-, ethyl ester (9CI)

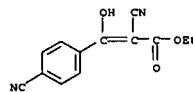
(CA INDEX NAME)



RN 91024-57-6 HCAPLUS

CN 2-Propenoic acid, 2-cyano-3-(4-cyanophenyl)-3-hydroxy-, ethyl ester (9CI)

(CA INDEX NAME)



23/07/2007,10565789a.trn

=> log h

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 18.41      | 460.28  |

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| -2.34      | -16.38  |

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 12:50:19 ON 23 JUL 2007

23/07/2007,10565789.trn

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTASXY1626

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 JAN 08 CHEMLIST enhanced with New Zealand Inventory of Chemicals  
NEWS 3 JAN 16 CA/Caplus Company Name Thesaurus enhanced and reloaded  
NEWS 4 JAN 16 IPC version 2007.01 thesaurus available on STN  
NEWS 5 JAN 16 WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data  
NEWS 6 JAN 22 CA/Caplus updated with revised CAS roles  
NEWS 7 JAN 22 CA/Caplus enhanced with patent applications from India  
NEWS 8 JAN 29 PHAR reloaded with new search and display fields  
NEWS 9 JAN 29 CAS Registry Number crossover limit increased to 300,000 in  
multiple databases  
NEWS 10 FEB 15 PATDPASPC enhanced with Drug Approval numbers  
NEWS 11 FEB 15 RUSSIAPAT enhanced with pre-1994 records  
NEWS 12 FEB 23 KOREAPAT enhanced with IPC 8 features and functionality  
NEWS 13 FEB 26 MEDLINE reloaded with enhancements  
NEWS 14 FEB 26 EMBASE enhanced with Clinical Trial Number field  
NEWS 15 FEB 26 TOXCENTER enhanced with reloaded MEDLINE  
NEWS 16 FEB 26 IFICDB/IFIPAT/IFIUDB reloaded with enhancements  
NEWS 17 FEB 26 CAS Registry Number crossover limit increased from 10,000  
to 300,000 in multiple databases  
NEWS 18 MAR 15 WPIDS/WPIX enhanced with new FRAGHITSTR display format  
NEWS 19 MAR 16 CASREACT coverage extended  
NEWS 20 MAR 20 MARPAT now updated daily  
NEWS 21 MAR 22 LWPI reloaded  
NEWS 22 MAR 30 RDISCLOSURE reloaded with enhancements  
NEWS 23 APR 02 JICST-EPLUS removed from database clusters and STN  
NEWS 24 APR 30 GENBANK reloaded and enhanced with Genome Project ID field  
NEWS 25 APR 30 CHEMCATS enhanced with 1.2 million new records  
NEWS 26 APR 30 CA/Caplus enhanced with 1870-1889 U.S. patent records  
NEWS 27 APR 30 INPADOC replaced by INPADOCDB on STN  
NEWS 28 MAY 01 New CAS web site launched  
NEWS 29 MAY 08 CA/Caplus Indian patent publication number format defined  
NEWS 30 MAY 14 RDISCLOSURE on STN Easy enhanced with new search and display  
fields  
NEWS 31 MAY 21 BIOSIS reloaded and enhanced with archival data  
NEWS 32 MAY 21 TOXCENTER enhanced with BIOSIS reload  
NEWS 33 MAY 21 CA/Caplus enhanced with additional kind codes for German  
patents  
NEWS 34 MAY 22 CA/Caplus enhanced with IPC reclassification in Japanese  
patents  
  
NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.



23/07/2007,10565789.trn

NEWS HOURS      STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN      Welcome Banner and News Items  
NEWS IPC8        For general information regarding STN implementation of IPC 8

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FILE 'HOME' ENTERED AT 11:20:10 ON 30 MAY 2007

=> file reg

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 0.21       | 0.21    |

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 11:20:35 ON 30 MAY 2007

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STRUCTURE FILE UPDATES: 28 MAY 2007 HIGHEST RN 935999-19-2  
DICTIONARY FILE UPDATES: 28 MAY 2007 HIGHEST RN 935999-19-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

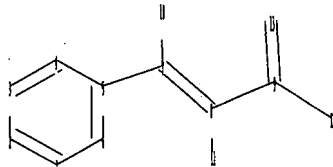
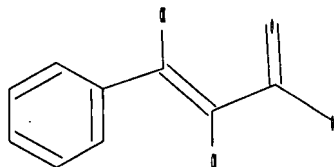
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10565789.str



chain nodes :  
7 8 9 10 11 12 13  
ring nodes :

23/07/2007,10565789.trn

1 2 3 4 5 6  
chain bonds :  
5-7 7-8 7-10 8-9 8-11 9-12 9-13  
ring bonds :  
1-2 1-6 2-3 3-4 4-5 5-6  
exact/norm bonds :  
7-10 9-12 9-13  
exact bonds :  
5-7 7-8 8-9 8-11  
normalized bonds :  
1-2 1-6 2-3 3-4 4-5 5-6

Match level :

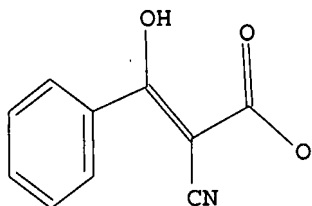
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS  
11:CLASS 12:CLASS 13:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 11:21:06 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 36 TO ITERATE

100.0% PROCESSED 36 ITERATIONS

5 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 360 TO 1080

PROJECTED ANSWERS: 5 TO 234

L2 5 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 11:21:12 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 792 TO ITERATE

100.0% PROCESSED 792 ITERATIONS

84 ANSWERS

SEARCH TIME: 00.00.01

L3 84 SEA SSS FUL L1

23/07/2007,10565789.trn

=> file hcaplus  
COST IN U.S. DOLLARS

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 172.55     | 172.76  |

FULL ESTIMATED COST

FILE 'HCAPLUS' ENTERED AT 11:21:38 ON 30 MAY 2007  
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FILE COVERS 1907 - 30 May 2007 VOL 146 ISS 23  
FILE LAST UPDATED: 29 May 2007 (20070529/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 29.L3

=> d ed abs ibib hitstr tot

## EAST Search History

| Ref # | Hits | Search Query    | DBs               | Default Operator | Plurals | Time Stamp       |
|-------|------|-----------------|-------------------|------------------|---------|------------------|
| L1    | 473  | (560/38).CCLS.  | USPAT;<br>DERWENT | OR               | OFF     | 2007/07/23 13:08 |
| S1    | 2    | ("5686228").PN. | USPAT;<br>DERWENT | OR               | OFF     | 2007/07/23 13:08 |